

OTICON | Xceed Play

Technical data sheet

BTE SP

110



| | Xceed Play 1 | Xceed Play 2 | |
|------------------------------|---------------------------------|--------------------------------|--------------------------------|
| Speech Understanding | OpenSound Navigator™ | Level 1 | Level 2 |
| | - Balancing power effect | 100% | 50% |
| | - Max. noise removal | 9 dB | 5 dB |
| | OpenSound Optimizer™ | • | • |
| | OpenSound Booster™ | • | • |
| | Speech Guard™ LX | Level 1 | Level 3 |
| Sound Quality | Speech Rescue™ LX | • | • |
| | Clear Dynamics | • | - |
| | Spatial Noise Management | • | - |
| | Processing Channels | 48 | 48 |
| Listening Comfort | Bass Boost (streaming) | • | • |
| | Transient Noise Management | 4 configurations | 3 configurations |
| | Feedback shield LX | • | • |
| Optimizing Fitting | Wind Noise Management | • | • |
| | YouMatic™ LX, NR levels | 3 configurations | 2 configurations |
| | Fitting Bands | 14 | 12 |
| | REM AutoFit | Verifit® LINK, IMC2 | Verifit® LINK, IMC2 |
| | Pediatric Fitting Mode | • | • |
| | DSL Fitting Range | • | • |
| Designed for children | VC range and step size | • | • |
| | Fitting Formulas | DSL v5.0, NAL-NL1+2, DSE, VAC+ | DSL v5.0, NAL-NL1+2, DSE, VAC+ |
| | LED | • | • |
| | Tamper Resistant Battery Drawer | • | • |
| | Hypo Allergenic | • | • |
| | IP Rating | IP 68 | IP 68 |
| | Nano Coating | • | • |
| | Color Options | 12 | 12 |
| | Integrated 2.4 GHz receiver | • | • |
| | Remote Mic | • | • |
| | DAI/FM | • | • |
| | CROS/ BiCROS support | • | • |
| | Bimodal fitting panel | • | • |

Oticon Xceed Play BTE SP is a super power hearing aid with a 13 battery. The style has separate push buttons for programs and volume for easy usage and control. It features T-coil, optional LED indications and support for classroom systems.

OpenSound Navigator gives pediatric users 360° access to speech by balancing the sound sources and suppressing background noise.

OpenSound Optimizer enhances both listening experience and comfort by blocking feedback and allowing the users to receive prescribed gain.

TwinLink wireless technology combines binaural communication and streaming, and 2.4 GHz connectivity for stereo streaming directly from digital sound sources.

Oticon Xceed Play is built on the Velox S platform using a programmable firmware architecture supporting future performance updates.

Operating conditions

Temperature: +34°F to +104°F
Relative humidity: 5% to 93%, non-condensing

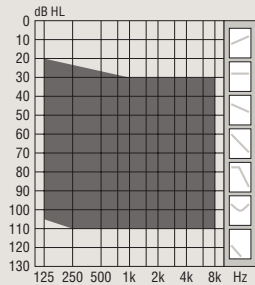
Storage and transportation conditions

Temperature and humidity should not exceed the following limits for extended periods during transportation and storage.
Temperature: -13°F to +140°F
Relative humidity: 5% to 93%, non-condensing



For information on compatibility, please visit www.oticon.global/compatibility

Technical data



110



Technical information

Omnidirectional mode is used unless otherwise stated.

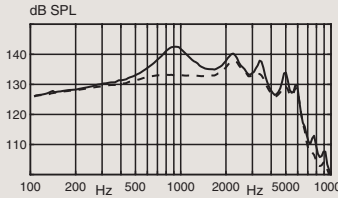
Instrument warning

The maximum output capability of the hearing instrument may exceed 132 dB SPL (IEC 6038-4). Special care should be exercised in selecting and fitting the instrument as there may be risk of impairing the remaining hearing of the hearing aid user.

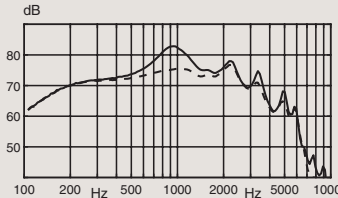
Ear Simulator

Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010

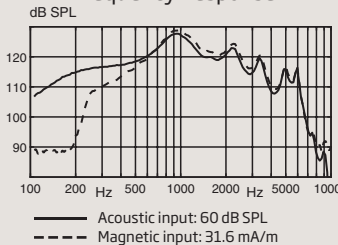
OSPL90



Full-on Gain



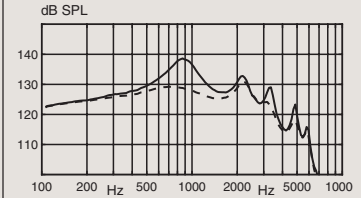
Frequency Response



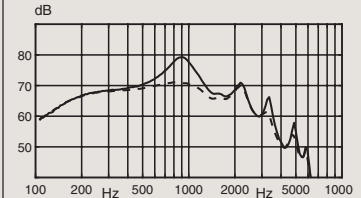
2CC Coupler

Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006

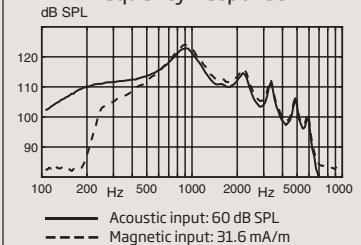
OSPL90



Full-on Gain



Frequency Response



| | | | |
|--|---------------|-------------|-------------|
| OSPL90 | Peak | 143 dB SPL | 139 dB SPL |
| | 1600 Hz | 135 dB SPL | 127 dB SPL |
| | HFA-OSPL90 | 138 dB SPL | 130 dB SPL |
| Full-on gain ¹ | Peak | 83 dB | 79 dB |
| | 1600 Hz | 75 dB | 67 dB |
| | HFA-FOG | 77 dB | 70 dB |
| Reference test gain | | 61 dB | 53 dB |
| Frequency range | | 100-6500 Hz | 100-6100 Hz |
| Telecoil output (1600 Hz) | 1 mA/m field | 109 dB SPL | - |
| | 10 mA/m field | 126 dB SPL | - |
| | SPLITS L/R | - | 115 dB SPL |
| Total harmonic distortion (Input 70 dB SPL) | 500 Hz | 4 % | 4 % |
| | 800 Hz | <2 % | <2 % |
| | 1600 Hz | <2 % | <2 % |
| Equivalent input noise level | Omni | 18 dB SPL | 19 dB SPL |
| | Dir | 32 dB SPL | 34 dB SPL |
| Battery consumption ² | Typical | 1.6 mA | 2.5 mA |
| | Quiescent | 1.4 mA | 1.4 mA |
| Battery life, artificial measurement, hours ³ | | 200 | 125 |
| Expected battery life, hours (battery size 13 - IEC PR48) ⁴ | | 75-115 | |

- Measured with the gain control of the hearing aid set to its full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0+A1:1994 but without influence of feedback.
- Battery current is measured according to IEC 60118-0:1983/AMD1:1994 §7.11, IEC 60118-0:2015 §7.7 and ANSI S3.22:2014 §6.13 after a settling time of minimum 3 minutes.
- Based on the standardised battery consumption measurement (IEC 60118-0:1983/AMD1:1994). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.
- Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).